

PCT/EP00/02128

CLAIMS

- 5 1. Method for running a tufting machine having at least one needlebar,
loopers and/or hooks to pick up yarn delivered through the needles of the needlebar,
knives to cut the yarn loops
and driving means,
characterized in that
- 10 the needle action and/or the looper action and/or the hook action and/or the knife ac-
tion is/are a non-simple harmonic motion.
2. Method for running a tufting machine according to claim 1, characterized in that
the needlebar(s) are slowed or halted when the needles stand at the pick-up point to
15 assist the looper or the hooks to pick up the yarn from the needles.
3. Method for running a tufting machine according to claim 1 or 2, characterized in
that the needlebar(s) are slowed or halted when the needles stand above the backing
to extend the time available for feeding of the primary backing fabric.
- 20 4. Method for running a tufting machine according to one of the preceding claims,
using a double-sliding needlebar, characterized in that the needlebar(s) are slowed or
halted when the needles stand in the top dead center to avoid the needles tagging the
back-stitches.
- 25 5. Method for running a tufting machine according to one of the preceding claims,
characterized in that the loopers are held extended to hold the loops until later in the
tufting cycle.

6. Method for running a tufting machine according to one of the preceding claims, characterized in that the hooks are held extended to hold the loops until later in the tufting cycle.

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7. Method for running a tufting machine according to one of the preceding claims, characterized in that the knives are moved forward to cut the loops at a point where they always have the same length.

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